

§ 10.910

46 CFR Ch. I (10–1–98 Edition)

(1) Master ocean any gross tons when adding an endorsement as Offshore Installation Manager.

(2) Master ocean or near coastal not more than 200 gross tons, when raising license grade from mate near coastal not more than 200 gross tons. Master ocean not more than 200 gross tons would, however, require an examination in celestial navigation.

(3) Master Great Lakes and inland, inland, and rivers not more than 200 gross tons when raising license grade from mate of the same route not more than 200 gross tons.

(4) Operator of uninspected towing vessels, when raising license grade from second class operator of uninspected towing vessels (endorsed for same route).

(c) Each candidate for any of the following licenses, who commences Coast Guard approved or accepted training or approved seagoing service on or after August 1, 1998, or who applies for the license on or after February 1, 2002, shall meet the requirements of the appropriate regulations and standards of competence in STCW and in part A of the STCW Code, as indicated in table 903-1:

(1) Master, oceans and near coastal, any gross tons.

(2) Chief mate, oceans and near coastal, any gross tons.

(3) Master, oceans and near coastal, 500 to 1600 gross tons.

(4) Second mate, oceans and near coastal, any gross tons.

(5) Third mate, oceans and near coastal, any gross tons.

(6) Mate, oceans and near coastal, 500 to 1600 gross tons.

(7) Operator, uninspected towing vessel of over 200 gross tons, oceans (domestic trade) and near coastal.

(8) Master (OSV).

(9) Chief mate (OSV).

(10) Mate (OSV).

(11) Chief engineer, unlimited.

(12) 1st Assistant engineer, unlimited.

(13) 2nd Assistant engineer, unlimited.

(14) 3rd Assistant engineer, unlimited.

(15) Chief engineer, limited—oceans.

(16) Assistant engineer, limited—oceans.

(17) Chief engineer, limited—near coastal.

(18) Chief engineer (OSV).

(19) Engineer (OSV).

TABLE 10.903-1

STCW CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
II/1	X	X	X	....	....	....	X	....	....	....	....	....	....	....	....	....
II/2, p. 1 & 2	X	X	....	....	....	....	....	X	X	....	....	....	....	....	....	....	....	....	....
II/2, p. 3 & 4	X	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
II/3	X	....	....	....	....	....	....	....	....	....	....	....	....
III/1	X	X	....	X	....	....	....	X
III/2	X	X	....	....	....	....	....	X	....
III/3	X	....	X	....	....	....

(d) After July 31, 1998, any candidate for a license listed in paragraph (c) of this section, who meets the requirements of the appropriate regulations and standards of competence in STCW and part A of the STCW code as indicated in table 10.903-1, need not comply with § 10.910, or, 10.950, of this part.

[CGD 81-059, 52 FR 38623, Oct. 16, 1987, as amended by CGD 81-059, 54 FR 144, Jan. 4, 1989; CGD 81-059a, 59 FR 10756, Mar. 8, 1994; CGD 95-062, 62 FR 34533, June 26, 1997; USCG-1998-4442, 63 FR 52188, Sept. 30, 1998]

§ 10.910 Subjects for deck licenses.

Table 10.910-1 gives the codes used in table 10.910-2 for all deck licenses. Table 10.910-2 indicates the examination subjects for each license, by code number. Figures in the body of the table, in place of the letter “x”, refer to notes.

Coast Guard, DOT

§ 10.910

TABLE 10.910-1 CODES FOR DECK
LICENSES*Deck Licenses:*

1. Master, Oceans/near coastal, any gross tons.
2. Chief mate, oceans/near coastal, any gross tons.
3. Master, oceans/near coastal, 500/1,600 gross tons.
4. Second mate, oceans/near coastal, any gross tons.
5. Third mate, oceans/near coastal, any gross tons.
6. Mate, oceans/near coastal, 500/1,600 gross tons.
7. Master, oceans/near coastal, and mate, near coastal, 200 gross tons (includes master, near coastal, 100 gross tons).
8. Operator, uninspected passenger vessels, near coastal.
9. Operator, uninspected passenger vessels, Great Lakes/inland.
10. Operator, uninspected towing vessels, oceans (domestic trade)/near coastal.

11. Operator, uninspected towing vessels, Great Lakes/inland.
12. Operator, uninspected towing vessels, Western rivers.
13. Master, Great Lakes/inland, or master, inland, any gross tons.
14. Mate, Great Lakes/inland, any gross tons.
15. Master, Great Lakes/inland, 500/1,600 gross tons.
16. Mate, Great Lakes/inland, 500/1,600 gross tons.
17. Master or mate, Great Lakes/inland, 200 gross tons (includes master, Great Lakes/inland, 100 gross tons).
18. Master, rivers, any gross tons.
19. Master, rivers, 500/1,600 gross tons.
20. Mate, rivers, 500/1,600 gross tons.
21. Master or mate, rivers, 200 gross tons (includes master, rivers, 100 gross tons).
22. Master, uninspected fishing industry vessels, oceans/near coastal.
23. Mate, uninspected fishing industry vessels, oceans/near coastal.
24. First class pilot.

TABLE 10.910-2—LICENSE CODES

Examination topics	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Navigation and position determination:																								
Ocean Track Plotting:																								
Middle Latitude Sailing	1	1		1	1																			
Mercator Sailing	X	X		1	1																			
Great Circle Sailing	1	1		1																				
Parallel Sailing	1	1		1	1																			
ETA	X	X	1	X	X																			
Piloting:																								
Distance Off		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X					X	X	X
Bearing Problems		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X					X	X	X
Fix or Running Fix		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X					X	X	X
Chart Navigation		X	X	X	X	X	X	X	X	X	X	2	X	X	X	X	X	2	2	2	2	X	X	X
Dead Reckoning		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X					X	X	X
Celestial Observations:																								
Special Cases (hi/lo Alt., Backsight) ...	1																							
Latitude by Polaris	1	1	1	1																				
Latitude by Meridian Transit	1																							
Lat. by Meridian Transit (Sun Only)	X	X	1	X	X	1	1			1												1	1	
Fix or Running Fix (Any Body)	X	X	1	X																		1		
Fix or Running Fix (Sun Only)					X	1	1			1													1	
Star Identification	1	1	1	1																				
Star Selection	1	X	1	X																			1	
Times of Celestial Phenomena:																								
Time of Meridian Transit	1																							
Time of Meridian Transit (Sun Only)	X	X	1	X	X	1	1			1												1	1	
Second Estimate Meridian Transit	1																							
Zone Time Sun Rise/Set/Twilight	X	X	1	1	1	1	1			1													1	1
Zone Time Moon Rise/Set	X	X		1																				
Speed by RPM	X	X		X																				
Fuel Conservation	X	X																						
Electronic Navigation	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X					X	X	X
Instruments and Accessories	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aids To Navigation	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Charts, Navigation Publications, and Notices to Mariners	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Naut. Astronomy & Nav. Definitions	X	X		X																				
Chart Sketch																								4

TABLE 10.910–2—LICENSE CODES—Continued

Examination topics	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Seamanship:																								
Marlinspike Seamanship				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Purchases, Blocks and Tackle				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Small Boat Handling Under Oars or Sail ...				X	X								X	X										
Watchkeeping:																								
COLREGS	X	X	X	X	X	X	X	X	5	X	5		5	5	5	5	5					X	X	5
Inland Navigational Rules	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Basic Principles, Watchkeeping	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X			
Navigation Safety Regs. (33 CFR 164)	X	X		X	X							X	X				X					6	6	6
Radar Equipment:																								
Radar Observer Certificate	X	X	X	X	X	X	1			1		X	X				X					X	X	X
Compass-Magnetic and Gyro:																								
Principles of Gyro Compass	X	X	X	X	X	X							X	X	X	X						X	X	
Principles of Magnetic Compass	X	X	X	X	X	X						X	X	X	X	X	X	X	X	X	X	X	X	X
Magnetic Compass Adjustment	X	X											X	X										
Gyro Compass Error/Correction	X	X	X	X	X	X	7			X	X	X	X	X	X	X	7					X	X	X
Magnetic Compass Error/Correction	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X
Determination of Compass Error:																								
Azimuth (Any Body)	X	X		1																				
Azimuth (Sun Only)			1		X	1	1			1			3									1	1	
Amplitude (Any Body)	X																							
Amplitude (Sun Only)		X	1	X	X	1	1			1			3									1	1	
Deviation Table Construction	X	X	1	X	X								3											
Terrestrial Observation	X	X	X	X	X	X	X	X	X	X	X	X	3									X	X	X
Gyro Controlled Systems	X	X	X	X		X																		
Operation & Care of Main Gyro Systems	X	X	X	X		X																		
Meteorology and Oceanography:																								
Characteristics of Weather Systems	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Ocean Current Systems	X	X	X	X																		X	X	
Weather Charts and Reports	X	X	X	X			X			X												X		
Tides and Tidal Currents:																								
Extensive Tidal Effects	X	X	X										X	X	X	X	X					X	X	X
Terms and Definitions	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X
Publications	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X
Calculations	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X
Ship Maneuvering and Handling:																								
Approaching Pilot Vessel or Station	X	X	X			X																		X
Shiphandling in Rivers, Estuaries	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Maneuvering in Shallow Water	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Interaction with Bank/Passing Ship	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Berthing and Unberthing	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Anchoring and Mooring	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X					X	X	X
Dragging, Clearing Fouled Anchors	X	X	X	X	X	X							X	X	X	X	X					X		
Drydocking, with & without Prior Damage ..	X	X																						
Heavy Weather Operations	X	X					X	X	X								X					X	X	
Maneuvering for Launching of Lifeboats and Liferrafts in Heavy Weather	X	X					X			X			X		X							X	X	
Receiving Survivors From Lfbts/Lfrfts	X	X					X			X	X													
General: Turn Circle, Pivot Point, Advance and Transfer				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Determine Maneuvering Characteristics of Major Vessel Types	X		X	X																				
Wake Reduction	X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Ice Operations/Ice Navigation	X	X	X			X				X	X	X	3	X	3									
Towing Operations	X	X	X	X	X	X				X	X	X	X		X	X	X	X	X	X	X			
Ship Stability, Construction, and Damage Control:																								
Principles of Ship Construction	X	X	X	X		X							X	3	X	3	X	X	X					
Trim and Stability	X	X	X	X	X	X				X	X	X	3	X	3	X	X	X			X	X	X	
Damage Trim and Stability	X	X	X			X	7																	
Stability, Trim, and Stress Calculation	X	X	X			7																		
Vessel Structural Members	X	X	X	X	X	7							X	X	3	7								
IMO Ship Stability Recommendations	X	X																						
Damage Control	X	X	X			X	7									7								
Change in Draft Due to Density	X	X																						
Ship Power Plants:																								
Marine Power Plant Operating Principles ..	X	X				7						X		X			7	X	X					
Ships' Auxiliary Machinery	X	X										X		X				X	X					
Marine Engineering Terms	X	X				7						X		X			7	X	X					
Small Engine Operations and Maintenance							X	X	X											X				

TABLE 10.910-2—LICENSE CODES—Continued

Examination topics	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Cargo Handling and Stowage:																								
Cargo Stowage and Security, Including																								
Cargo Gear		X	X	X	X	X	7						X	X	X	X	7	X	X	X				
Loading and Discharging Operations		X	X	X	X	X							X	X	X	X		X	X	X				
International Regulations for Cargoes, Especially IMDG	X	X	X																					
Dangerous/Hazardous Cargo Regulations	X	X	X	X	X	X							X	X	X	X		X	X	X				
Tank Vessel Safety		X	X	X	X	X							X	X	X	X		X	X	X				
Cargo Piping and Pumping Systems		X	X	X	X	X							X	X	X	X		X	X	X				
Cargo Oil Terms and Definitions		X	X	X	X	X							X	X	X	X		X	X	X				
Ballasting, Tank Clean., & Gas Free Ops ..		X	X	X	X	X						X	X	X	X		X	X	X					
Load on Top Procedures		X	X	X	X	X						X	X	X	X		X	X	X					
Barge Regulations (Operations)										X	X	X												
Fire Prevention and Firefighting Appliances:																								
Organization of Fire Drills		X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Classes and Chemistry of Fire		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Firefighting Systems		X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Firefighting Equip. and Regulations		X	X	X	X	X	7			X	X	X	X	X	X	X	7	X	X	X	7	X	X	X
Firefighting Equip. & Regs. for T-Boats							X										X				X			
Basic Firefighting and Prevention		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Emergency Procedures:																								
Ship Beaching Precautions		X	X										X		X									
Actions Prior To/After Grounding		X	X										X		X			X	X					
Refloating a Grounded Ship		X	X										X		X			X	X					
Collision		X	X				X	X		X	X	X	X		X		X	X	X		X			
Temporary Repairs		X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Passenger/Crew Safety in Emergency		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fire or Explosion		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Abandon Ship Procedures		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Emergency Steering		X	X	X									X		X			X	X			X	X	
Rescuing Surv. From Ship/Airc. in Dist		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Man Overboard Procedures		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Emergency Towing	X	X	X				X			X														
Medical Care:																								
Knowledge and use of:																								
Int'l. Medical Guide for Ships		X	X																					
Ship Med. Chest and Med. Aid at Sea		X	X																					
Medical Sec., Inter. Code of Signals		X	X	X	X																			
1st Aid Guide: Accidents with Dangerous Goods		X	X																					
First Aid		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Maritime Law:																								
International Maritime Law:																								
Int'l. Convention on Load Lines	X	X	X																					
SOLAS	X	X	X				7																	
MARPOL 73/78	X	X	X	X	X																			
International Health Regulations	X	X	X																					
Other International Instruments for Ship/Pass./Crew/Cargo Safety	X	X	X																					
National Maritime Law:																								
Load Lines	X	X	X			X	X			X	X		3	3	3	3	7							
Cert. and Documentation of Vessels ..	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Rules & Regs. for Inspected Vessels ..	X	X	X	X	X	7							X	X	X	X	7	X	X	X	7	X	X	X
Rules & Regs. for Inspected T-Boats ..						X											X				X			
Rules and Regs for Uninsp. Vessels ..						X	X	X	X	X	X						X				X	X	X	
Pollution Prevention Regulations	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Pilotage	X	X	X																					
Licensing & Certification of Seamen ..	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Shipment and Discharge, Manning	X	X	X				X			X			X	X	X			X	X					
Title 46 U.S. Code	X	X	X										X		X			X	X					
Captain of the Port Regulations, Vessel Traffic Service Procedures for the Route Desired																								X
Shipboard Management and Training:																								
Personnel Management	X	X	X										X		X			X	X					
Shipboard Organization	X	X	X										X		X			X	X					
Required Crew Training	X	X	X										X		X			X	X					
Ship Sanitation	X	X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Vessel Alteration/Repair—Hot Work	X	X	X				X						X		X			X	X					
Safety	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Ship's Business:																								
Charters	X	X	X																					

TABLE 10.910–2—LICENSE CODES—Continued

Examination topics	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Liens, Salvage	X	X	X																					
Insurance	X	X	X																					
Entry, Clearance	X	X	X																					
Certificates and Documents Required	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Communications:																								
Flashing Light	X	X		X	X																			
Radiotelephone Communications		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Radiotelegraphy Emerg. Dist. Signals		X	X	X	X																			
Signals: Storm/Wreck/Dist./Special	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
International Code of Signals	X	X	X	X																				
Lifesaving:																								
Survival at Sea	X	X	X	X	X	X				X												X	X	
Lifesaving Appliance Regulations	X	X	X	X	X	7							X	X	X		7	X	X	X	7			
Lifesaving Appliance Regs. for T-Boats						X											X	X	X	X	X			
Lifesaving Appliance Operation	X	X	X	X	X	7	X	X	X	X			X	X	X	X	7	X	X	X	7	X	X	
Lifesaving Appliance Ops. for T-Boats						X											X				X			
Search and Rescue:																								
Search and Rescue Procedures	X	X	X																					
AMVER	X	X	X																					
SAIL/AUXILIARY SAIL VESSELS ADDENDUM (8):																								
Any other subject considered necessary to establish the applicant's proficiency	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

1—For ocean routes only.

2—River chart navigation only.

3—Topic covered only on Great Lakes specific module(s) taken for "Great Lakes and inland" routes.

4—Including recommended courses, distances, prominent aids to navigation, depths of waters in channels and over hazardous shoals, other important features of the route, such as character of the bottom. The OCMI may accept chart sketching of only a portion or portions of the route for long or extended routes.

5—Take COLREGS if license not limited to non-COLREG waters.

6—For licenses over 1600 gross tons.

7—For licenses over 100 gross tons.

8—Sail vessel safety precautions, rules of the road, operations, heavy weather procedures, navigation, maneuvering, and sailing terminology. Applicants for sail/auxiliary sail endorsements to master, mate or operator of uninspected passenger vessels licenses are also tested in the subjects contained in this addendum.

[CGD 81–059a, 55 FR 14802, Apr. 18, 1990]

§ 10.920 Subjects for MODU licenses.

Table 10.920–1 gives the codes used in Table 10.920–2 for MODU licenses. Table 10.920–2 indicates the examination subjects for each license by the code number.

Table 10.920–1 Codes for MODU Licenses

1. OIM/Unrestricted
2. OIM/Surface Units Underway
3. OIM/Surface Units on Location
4. OIM/Bottom Bearing Units Underway
5. OIM/Bottom Bearing Units on Location
6. Barge Supervisor
7. Ballast Control Operator

TABLE 10.920–2.—SUBJECTS FOR MODU LICENSES

Examination topics	1	2	3	4	5	6	7
Watchkeeping COLREGS	X	X		X		X	
"Basic Principles for Navigational Watch"	X	X	X	X	X	X	
MODU obstruction lights	X		X		X	X	

TABLE 10.920–2.—SUBJECTS FOR MODU LICENSES—Continued

Examination topics	1	2	3	4	5	6	7
Meteorology and oceanography:							
Synoptic chart weather forecasting	X	X	X	X	X	X	
Characteristics of weather systems ...	X	X	X	X	X	X	X
Ocean current systems	X	X	X	X	X	X	
Tide and tidal current publications	X	X	X	X	X	X	
Stability, ballasting, construction and damage control:							
Principles of ship construction, structural members	X	X	X	X	X	X	X
Trim and stability	X	X	X	X	X	X	X
Damaged trim and stability countermeasures	X	X	X	X		X	X
Stability and trim calculations	X	X	X	X		X	X
Load line requirements	X	X	X	X	X	X	X
Operating manual:							
Rig characteristics and limitations	X	X	X	X	X	X	X
Hydrostatics data	X	X	X	X		X	X
Tank tables	X	X	X	X	X	X	X
KG limitations	X	X	X	X		X	X